

## PowerScan PM9600, SR, 433 MHz, Removable Battery, RS232 Kit

The Datalogic PowerScan PM9600 has been developed with an ultra-rugged housing for the tough work environments of manufacturing, warehousing and logistics. It is IP65-/IP67-certified against dust and water and withstands multiple falls from up to 2.5 m without damage. For easy operation, it features an optional 1.8" OLED display with a 4- or 16-key keypad option. The ergonomic design and well-balanced weight also allow intuitive targeting with a high first read rate while reducing unnatural wrist movements.

Thanks to the Datalogic STAR Cordless system, the PM9600 is powered by a 3,350 mAh lithium-ion battery. This impresses with a long battery life and enables the capture of up to 80,000 scans per full battery charge. The wireless charging system is based on inductive charging technology and eliminates the need for battery contacts and pins, which get dirty, bend or even break over time. Also, the PM9600 modular base/charger is available with multiple interface connectors for standard and industrial communications, including RS-232, USB and various Ethernet protocols.



### Key featured:

- Ergonomic shape provides hours of tireless data collection for the user
- Datalogic new scanning linear imager technology
- Datalogic's 3GL technology for multiple good-read feedback
- IP65 rating and 2.0 m / 6.6 ft drop resistance
- Datalogic's Motionix™ motion-sensing technology
- Datalogic Alladin configuration program

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# Technical Description

## Functionality & Operation

Communication interface	RS232
Indicators	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ technology and loud beeper for good-read feedback; Datalogic 'Green Spot' on the Code; Dual Good Read LEDs, vibration
1D Barcode Symbolologies	All standard one-dimension barcodes
2D Code Symbolologies	DotCode, all standard 2D-Codes

## Optical

Depth of scan field	40 - 1750 mm
Minimum symbol contrast	15%
Resolution	1D: 3mil, 2D: 6mil
Bar code scanner	2D Imager
Light source	Aiming: 630 - 680 nm VLD, Illumination: White LED reading light
Maximal skew angle	52%
Maximal pitch angle	52%

## Electrical

Power Source	Current: Charging (Typical) < 15 W, Scanner only: 480 mA @ 3.7 V (Operative), Cradle only: 150 mA @ 5 V (Operative), Input Voltage: Host powered: 5V DC ± 5% or 10 - 30 VDC, External power supply: 10 - 30 VDC ± 5%
Main battery pack	Battery Type: Lithium-Ion: 3350 mAh, Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000

## Mechanical

Color	black, yellow
Dimensions	Width: 140mm, Height: 198mm Length: 79mm
Weight	425g

## Environment

Maximal ambient light	100000lux
Electrical static discharge	±20kV air
Shock resistance	Withstands 50 drops from 2 m onto concrete surface
Operating temperature	-20 to 50°C
Operating humidity (non-condensing)	0 to 95%
Ingress protection	IP67

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